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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/785,134	02/24/2004	George B. Bumiller	0602	1636

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EXAMINER
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OSORIO, RICARDO

ART UNIT	PAPER NUMBER
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2629

DATE MAILED: 05/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.



**Office Action Summary**

Application No.

10/785,134

Applicant(s)

BUMILLER, GEORGE B.

Examiner

RICARDO L. OSORIO

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 4/10/2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |



**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-8, 14-21 and 25-26 are rejected under 35 U.S.C. 102(b) as being anticipated by (Nokia: "Nokia 7210 User's Guide", Internet Article, 2003, Pages 39-50, XP002316253).

Regarding claims 1, 6 and 18, Nokia discloses a handheld electronic device structured to enable data entry, said data entry including a plurality of data elements (see front page Figure), said handheld electronic device comprising: a keyboard including a plurality of keys; a display; a processor including a memory and a routine that is adapted to respond to input signals from said keys and to generate output signals to said display (see front page Figure, although not specifically mentioned, the Nokia 7210 inherently includes all of this elements); said routine being adapted to detect a first input and to process said first input to obtain a first of said data elements (see Nokia, page 45, paragraph 1, item 5, lines 1-3. Selecting a text type); responsive to said first of said data elements, said routine being adapted to generate a first of said output signals to said display(see Nokia, page 45, paragraph 1,item 5, lines 1-3. Output signal of selected text type is being generated) ; responsive to said first of said data elements, said routine being adapted to select from said memory a corresponding data format from a plurality of data formats (see Nokia, page 45, paragraph 1, item 5, lines 1-3. Data format corresponding to the selected text type is selected from the routine memory); said routine being adapted to detect a



Art Unit: 2629

second input from said keys; and responsive to said detected second input, said routine being adapted to process said detected second input according to said selected corresponding data format to obtain a second of said data elements and to generate a second of said output signals to said display (see Nokia, page 45, paragraph 1, item 6).

Regarding claims 2, 3 and 19, Nokia teaches of generating said second of said output signals to represent a plurality of characters, each one of said characters being one of numeric and alphabetic according to said selected corresponding data format (see Nokia, page 45, paragraph 1, item 6. Characters are typed depending on said selected corresponding data format, i.e., e-mail address, web address, or postal address).

Regarding claims 4, 5, and 20, Nokia teaches of comparing said detected first input with a data set including a plurality of data records in said memory and to identify one of said data records to obtain said first of said data elements (see Nokia, page 45, paragraph 2, item 2, lines 1-4).

Regarding claims 7, 8, and 21, Nokia teaches of detecting a number of key inputs, to process each one of said detected key inputs to obtain a number of processed key outputs that conform to said selected corresponding data format, and to output each one of said processed key outputs to correspond with a corresponding one of said detected key inputs (see Nokia, page 45, paragraph 1, item 6. Characters are typed depending on said selected corresponding data format, i.e., e-mail address, web address, or postal address, etc.).

Regarding claims 14 and 25, Nokia teaches of employing as said detected first input one of a country input and a sub-country input (see Nokia, page 45, paragraph 1, item 5, lines 1-3. Any of the data formats of Nokia can provide some type of country or sub-country input).



Art Unit: 2629

Regarding claims 15 and 26, Nokia further, teaches of determining that said detected first input is said sub-country input, to compare said detected first input with a data set that includes a plurality of country data records in said memory, and to identify one of said country data elements to said first of said data elements (see Nokia, page 45, paragraph 1, item 5, lines 1-3, and Nokia, page 45, paragraph 2, item 2, lines 1-4. Nokia is capable of obtaining, just as the first characters of a name will provide a list of names from the memory, a list of countries that have said sub-country).

Regarding claim 16, Nokia teaches of detecting as said sub-country input one of a Canadian province and an American state; and obtaining as said first of said data elements one of a representation of Canada and a representation of America, respectively (see Nokia, page 45, paragraph 1, item 5, lines 1-3, and Nokia, page 45, paragraph 2, item 2, lines 1-4. Nokia is capable of obtaining, just as the first characters of a name will provide a list of names from the memory, a list of countries that have said sub-country).

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 9-12 and 22-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nokia (see above) in view of Applicant's admitted prior art (hereafter APA).

Regarding claims 9-12 and 22-23, Nokia does not specifically teach of outputting as a numeric character at least one of said processed key outputs that otherwise in the absence of said selected corresponding data forma could represent a character that is alphabetic and that could



Art Unit: 2629

represent a character that is numeric when said corresponding one of said detected key inputs is combined with one of a detected 'CEALTD' key input and a detected <SHIFT> key input; employing another one of said processed key outputs that corresponds with another corresponding one of said detected key inputs; and outputting as an alphabetic character said another one of said processed key outputs that otherwise in the absence of said selected corresponding data format could represent a character that is alphabetic and that could represent a character that is numeric when said another corresponding one of said detected key inputs is combined with one of a detected <ALT> key input and a detected <SHIFT> key input; and outputting said at least one of said processed key outputs to represent a character that is the other of said one of alphanumeric and numeric.

APA teaches of outputting as a numeric character at least one of said processed key outputs that otherwise in the absence of said selected corresponding data format could represent a character that is alphabetic and that could represent a character that is numeric when said corresponding one of said detected key inputs is combined with one of a detected <ALT> key input and a detected <SHIFT> key input; employing another one of said processed key outputs that corresponds with another corresponding one of said detected key inputs; and outputting as an alphabetic character said another one of said processed key outputs that otherwise in the absence of said selected corresponding data format could represent a character that is alphabetic and that could represent a character that is numeric when said another corresponding one of said detected key inputs is combined with one of a detected <ALT> key input and a detected <SHIFT> key input; and outputting said at least one of said processed key outputs to represent a character that is the other of said one of alphanumeric and numeric (page 1, lines 14-32).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the ALT key or the SHIFT key to obtain either alphabetic or numeric characters because it is overwhelmingly known in the art of keyboards or keypads for a compact computer to obtain more than one character and/or number with the use of the ALT key or the SHIFT key to save space and make the device more handable.

5. Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nokia (see above) in view of Raiyani et al. (US 2004/0181461).

Regarding claim 17, Nokia does not precisely teach of selecting a first corresponding data format that corresponds with a Canadian postal code if said representation of Canada is obtained as said first of said data elements, and selecting a second corresponding data format that corresponds with an American zip code if said representation of America is obtained as said first of said data elements.



Art Unit: 2629

Raiyani teaches of selecting a first corresponding data format that corresponds with a Canadian postal code if said representation of Canada is obtained as said first of said data elements, and selecting a second corresponding data format that corresponds with an American zip code if said representation of America is obtained as said first of said data elements (see paragraphs 228 and 230).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to obtain the corresponding zip or postal code, depending of the country, or city, as taught by Raiyani, in the device of Nokia, because this facilitates for the user to obtain the desired information in a more friendly, time efficient, manner.

6. Claims 13 and 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nokia (see above) in view of Coutre et al. (5,513,827).

Regarding claims 13 and 24, Nokia, further, does not specifically teach of determining that said first input has not yet been detected; and displaying a prompt to enter said first input.

Coutre teaches of determining that said first input has not yet been detected; and displaying a prompt to enter said first input (col. 10, lines 29-35).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to prompt the user that data is missing, as taught by Coutre, from a first or any other input, so that the user is inform that information is missing, or that an error has been made.

### ***Response to Arguments***

7. Applicant's arguments filed 4/10/2006 have been fully considered but they are not persuasive.



Art Unit: 2629

First, in reference to claims 1 and 18, applicant argues that Nokia does not disclose a handheld electronic device that automatically selects in response to a first set of data elements processed from a first input, a data format for use with a second set of data elements, and that detects a second input to obtain a second set of data elements which are automatically formatted to conform with the selected data format.

Examiner disagrees because Nokia discloses a handheld electronic device that **automatically selects in response to a first set of data elements processed from a first input, a data format for use with a second set of data elements**, and that detects a second input to obtain a second set of data elements which are **automatically** formatted to conform with the selected data format (see Nokia, page 45, paragraph 1, item 5, lines 1-3, and item 6). Examiner notes that the language presented in the arguments is more specific than the claims limitations themselves, which are **overly broad**. If the above language is added in the claims, the scope of the invention applied for by applicant will be more specific and clear.

Next, in reference to claim 17, applicant argues that Raiyani does not disclose formatting a second set of data elements to conform with a data format that was **automatically** selected in response to a first set of data elements.

Examiner disagrees because Raiyani teaches of selecting a first corresponding data format that corresponds with a Canadian postal code if said representation of Canada is obtained as said first of said data elements, and selecting a second corresponding data format that corresponds with an American zip code if said representation of America is obtained as said first of said data elements (see paragraphs 228 and 230. Postal codes can be from any country. Note that city or country information is entered, which is considered inputted first of said data elements, and once



obtained, automatically, a list of zip codes related to the identified city in the identified country is available for selection; any selected zip code from said obtained list is considered a second of said data elements. (see paragraph 228).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to obtain the corresponding zip or postal code, depending of the country, or city, as taught by Raiyani, in the device of Nokia, because this facilitates for the user to obtain the desired information in a more friendly, time efficient, manner.

In conclusion, claims are overly broad. Examiner suggests that the scope of the claimed invention should be claimed more clearly and specifically.

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ricardo L. Osorio whose telephone number is 571-272-7676. The examiner can normally be reached on Monday through Thursday from 7:00 A.M. to 5:30



Art Unit: 2629

P.M. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala whose telephone number is 571-272-7681.

Any response to this action should be mailed to:


Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to: 571-273-8300 (for Technology Center 2600 only)

Hand-delivered responses should be brought to the Customer Service Window at the Randolph Building, 401, Dulany Street, Alexandria, VA 22314.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
RICARDO OSORIO  
PRIMARY EXAMINER  
Technology Division: 2629

RLO  
May 8, 2006